

PRODUCT INFORMATION PACKET



Model No: 117887.00
Catalog No: 117887.00
0.33 HP Auger Drive Motor, 1 Phase 1800 RPM, 115/230 V, 56YZ Frame, TEFC

Auger Drive Motors



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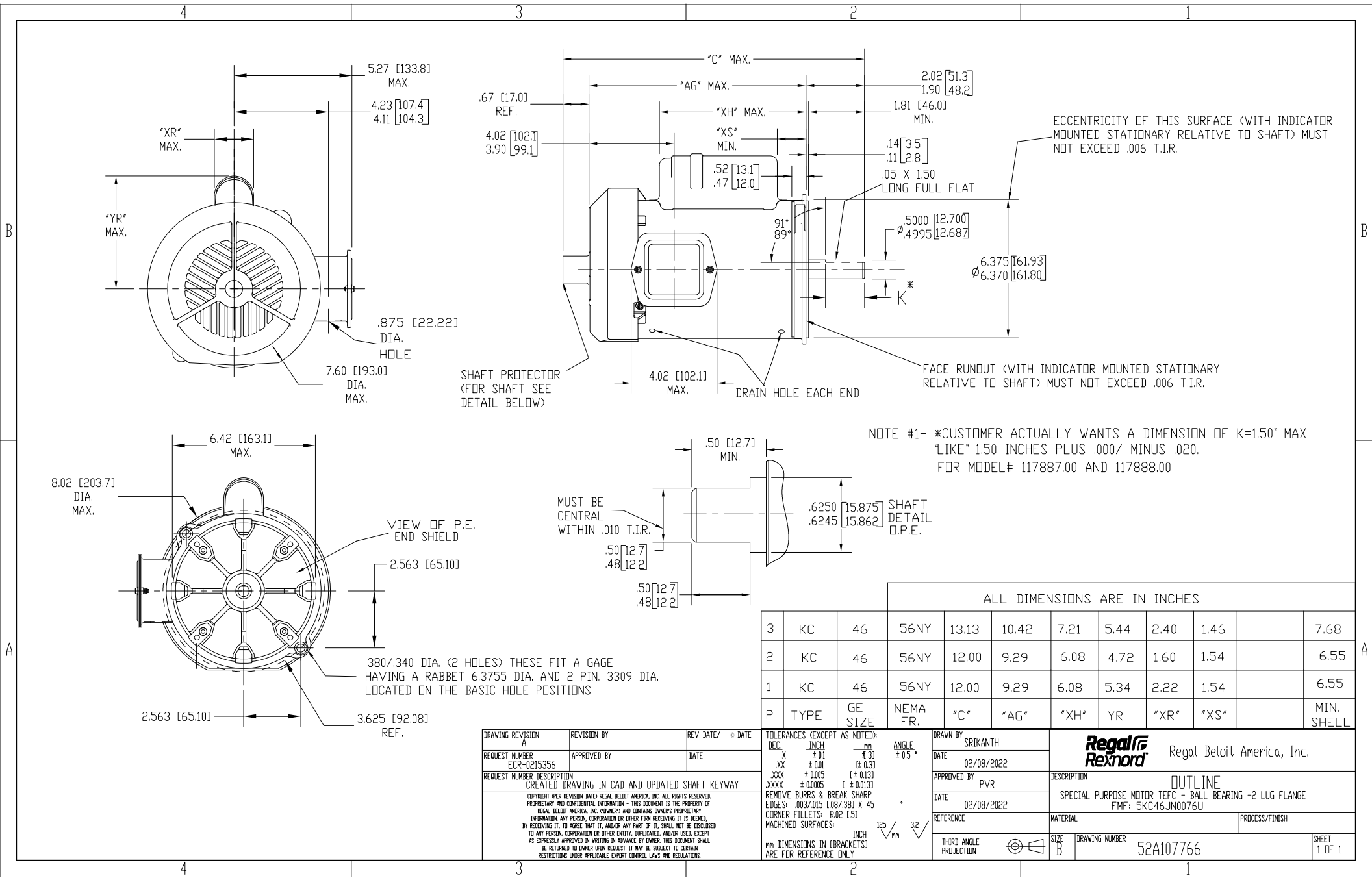
Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	5.8/2.8-2.9 A	Speed	1725 rpm
Service Factor	1	Phase	1
Efficiency	59.5 %	Power Factor	70
Duty	Continuous	Insulation Class	B
KVA Code	K	Frame	56YZ
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	Manual
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	CE	N
IP Code	43	Number of Speeds	1

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	SM
Poles	4	Rotation	Counterclockwise/Clockwise
Mounting	N/R	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Overall Length	12.00 in
Shaft Extension	.500 X 1.81 - 1.50 MIN LG CROSS MILLED FLAT in		
Outline Drawing	52A107766P2	Connection Drawing	52A105383BA

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ALL DIMENSIONS ARE IN INCHES

3	KC	46	56NY	13.13	10.42	7.21	5.44	2.40	1.46		7.68
2	KC	46	56NY	12.00	9.29	6.08	4.72	1.60	1.54		6.55
1	KC	46	56NY	12.00	9.29	6.08	5.34	2.22	1.54		6.55
P	TYPE	GE SIZE	NEMA FR.	"C"	"AG"	"XH"	YR	"XR"	"XS"		MIN. SHELL

DRAWING REVISION A	REVISION BY	REV DATE / © DATE	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm .X ± .01 ± .3 .XX ± .01 ± .3 .XXX ± .005 ± .13 .XXXX ± .0005 ± .13	ANGLE ± .5°	DRAWN BY SRIKANTH	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0215356	APPROVED BY	DATE	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 (.08/.38) X 45° CORNER FILLETS: R.02 (.5)	MACHINED SURFACES: 125 32 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DATE 02/08/2022	
REQUEST NUMBER DESCRIPTION CREATED DRAWING IN CAD AND UPDATED SHAFT KEYWAY			APPROVED BY PVR			DESCRIPTION OUTLINE SPECIAL PURPOSE MOTOR TEFC - BALL BEARING -2 LUG FLANGE FMF: 5KC46JN0076U
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			REFERENCE			PROCESS/FINISH
			THIRD ANGLE PROJECTION			SIZE B
			DRAWING NUMBER 52A107766			SHEET 1 OF 1

THIRD ANGLE PROJECTION

REV. 7

SIZE DRAWING NO. 52A105383BA

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
7	UPDATED FORMAT	01/05/06	MAM

CCW/CW ROTATION - DUAL VOLTAGE

TYPE KC , KH OR KCR - WITH THERMAL PROTECTOR

START

EX START

(WHEN SPEC.)

T5 OR BLACK

J9 OR BLACK

J11 OR BROWN

J12 OR PURPLE

T4 OR YELLOW

T2 OR WHITE

MAIN

T1 OR BLUE

T3 OR ORANGE

T8 OR RED

CAPACITOR AS SHOWN FOR KC MOTORS ONLY. LEAD T5 BLACK CONNECTED DIRECTLY TO TERMINAL BOARD FOR KH MOTORS.

A

E

P2 OR BROWN

THERMAL PROTECTOR

J10 OR BLACK

GROUND (WHEN REQ'D)

L0 VOLTAGE LINE

P1 OR PURPLE

START

EX START

(WHEN SPEC.)

T5 OR BLACK

J9 OR BLACK

J11 OR BROWN

J12 OR PURPLE

T4 OR YELLOW

T2 OR WHITE

MAIN

T1 OR BLUE

T3 OR ORANGE

T8 OR RED

CAPACITOR AS SHOWN FOR KC MOTORS ONLY. LEAD T5 BLACK CONNECTED DIRECTLY TO TERMINAL BOARD FOR KH MOTORS.

A

E

P2 OR BROWN

THERMAL PROTECTOR

J10 OR BLACK

GROUND (WHEN REQ'D)

H1 VOLTAGE LINE

P1 OR PURPLE

NOTE#1 - TO REVERSE ROTATION, INTERCHANGE T8 RED AND J10 BLACK LEADS.

NOTE#2 - WHEN MORE THAN ONE CAPACITOR IS USED, CONNECT IN PARALLEL.

NOTE#3 - 115D958ABP5 - HIGH CURRENT CONTACTS.

SWITCH (C) - 115D958ABP5, SWITCH (H) - 115D958AA (USE 115D958DA FOR EP)

REF. DIAG. - 113A327,119A9352 & 52A102102

CONNECTION LABEL - 52X332912

SIGNATURES

DATE

MODEL

M.D.P.

06/29/87

DETAIL

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CHECKED

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ENGRG

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MFG

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FOR ADDITIONAL INFO REFER TO:

APPLIED PRACTICES

DIMENSIONS ARE IN INCHES

MATERIAL

QUALITY

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ISSUED

M.D.P.

12/11/97

SOLID MODEL: 52A105383BA

REGAL-BELOIT

REGAL-BELOIT CORPORATION

TITLE

CONNECTION DIAGRAM

FMF: 30 FRAME SWITCH REDESIGN

SIZE A

DRAWING

52A105383BA

REV 7

SCALE: 1.000

REF. No: .

SHEET 1 of 1

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